



6-28-04

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 95,1408-TTT)

In the Application of:

Kellogg et al.

Serial No.: ~~10/648,707~~ 10/684,707

Filing Date: October 14, 2003

For: Devices and Methods for Using Centripetal
Acceleration to Drive Fluid Movement in a
Microfluidics System for Performing Biological
Fluid Assays

Examiner:

Group Art Unit: 1743

TRANSMITTAL LETTER

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
 - a) Information Disclosure Statement;
 - b) PTO Form 1449 and cited references;
 - c) Return postcard
2. With respect to fees:
 - a) No fees are required
 - b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490. A duplicate copy of this letter is enclosed.
3. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to the Commissioner for Patents, Alexandria, VA 22313-1450 on June 25, 2004.

Date: 25 June 2004

Respectfully submitted,

Kevin E. Noonan, Ph.D.
Registration No. 35,303

McDonnell Bochen Hulbert & Berghoff
300 South Wacker Drive
Chicago, IL 60606
(312)913-0001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 95,1408-TTT)

In the Application of:

Kellogg et al.

Serial No.: 10/648,707

Filing Date: October 14, 2003

For: Devices and Methods for Using Centripetal
Acceleration to Drive Fluid Movement in a
Microfluidics System for Performing Biological
Fluid Assays

Examiner:

Group Art Unit:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

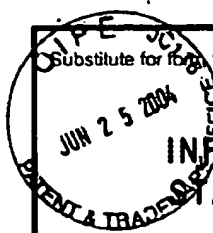
In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned representative by his signature hereby authorizes any such fee to be debited from Deposit Account 13-2490.

Date: June 25, 2004

Respectfully submitted,
McDonnell Boehnen Hulbert & Berghoff

Kevin E. Noonan
Reg. No. 35,303

| | | | | |
|--|------|---------------------|----------------------|-----------------|
|  Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | |
| | | | Application No. | 10/684707 |
| | | | Filing Date: | 10-14-03 |
| | | | First Named Inventor | Kellogg et al., |
| | | | Group Art Unit | |
| | | | Examiner Name | |
| Sheet 1 | of 6 | Attorney Docket No. | 95,1408-TTT | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | 1 | 4,729,862 | | Salatiello et al. | July 21, 1981 | |
| | 2 | 4,381,291 | | Ekins et al. | April 26, 1983 | |
| | 3 | 4,515,889 | | Klose et al. | May 7, 1985 | |
| | 4 | 4,676,952 | | Edelmann et al. | June 30, 1997 | |
| | 5 | 4,745,072 | | Ekins | May 17, 1988 | |
| | 6 | 5,160,702 | | Kopf-Sill | November 3, 1992 | |
| | 7 | 5,171,695 | | Ekins | December 15, 1992 | |
| | 8 | 5,173,262 | | Burtis et al. | December 22, 1992 | |
| | 9 | 5,242,803 | | Burtis et al. | September 7, 1993 | |
| | 10 | 5,409,665 | | Burd | April 25, 1995 | |
| | 11 | 5,413,732 | | Burd | May 9, 1995 | |
| | 12 | 5,432,009 | | Tabata | July 11, 1995 | |
| | 13 | 5,472,603 | | Schembri | December 5, 1995 | |
| | 14 | 5,006,749 | | White | April 9, 1991 | |
| | 15 | 5,252,294 | | Kroy | October 12, 1993 | |
| | 16 | 5,304,487 | | Wilding | April 19, 1994 | |
| | 17 | 5,368,704 | | Madou | November 29, 1994 | |
| | 18 | 3,679,367 | | Negersmith | July 25, 1972 | |
| | 19 | 4,940,527 | | Kazlauskas et al. | July 10, 1990 | |
| | 20 | 4,515,889 | | Klose et al. | May 7, 1985 | |
| | 21 | 5,426,032 | | Phillips et al. | June 20, 1995 | |
| | 22 | 4,154,793 | | Guigan | May 15, 1979 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|---|----|---|----------------------|------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete If Known | |
| | | | | Application No. | 14884707 40/648,707 |
| | | | | Filing Date: | 10-14-03 |
| | | | | First Named Inventor | Kellogg et al., |
| | | | | Group Art Unit | |
| Examiner Name | | | | | |
| Sheet | 2 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | 23 | 5,186,844 | | Burd | February 16, 1993 | |
| | 24 | 5,122,284 | | Braynin et al. | June 16, 1992 | |
| | 25 | 5,304,348 | | Burd et al. | April 19, 1994 | |
| | 26 | 5,457,053 | | Burd et al. | October 10, 1995 | |
| | 27 | 5,478,750 | | Berstein et al. | December 26, 1995 | |
| | 28 | 5,591,643 | | Schembri et al. | January 7, 1997 | |
| | 29 | 5,518,930 | | Burd et al. | May 21, 1996 | |
| | 30 | 5,474,603 | | Schembri et al. | December 5, 1997 | |
| | 31 | 5,693,233 | | Schembri | December 2, 1997 | |
| | 32 | 5,496,520 | | Kelton et al. | March 5, 1996 | |
| | 33 | 5,061,381 | | Burd | October 29, 1991 | |
| | 34 | 5,242,606 | | Braynin et al. | September 7, 1993 | |
| | 35 | 5,403,415 | | Schembri | April 4, 1995 | |
| | 36 | 5,173,193 | | Schembri | December 22, 1992 | |
| | 37 | 5,275,016 | | Chatterjee et al. | January 4, 1994 | |
| | 38 | 5,624,597 | | Buhl et al. | April 29, 1997 | |
| | 39 | 5,599,411 | | Schembri | February 4, 1997 | |
| | 40 | 5,639,428 | | Cottingham | June 17, 1997 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|---|----|----------------------|---------------------|-------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application No. | 10/684,707 | |
| | | | Filing Date: | 10-14-03 | |
| | | | First Named Inventor | Kellogg et al., | |
| | | | Group Art Unit | | |
| | | | Examiner Name | | |
| Sheet | 2 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | 41 | 5,622,819 | | Herman | 04-22-1997 | |
| | 42 | 5,821,116 | | Herman | 10-13-1998 | |
| | 43 | 4,030,834 | | Bauer et al. | 06-21-1977 | |
| | 44 | 4,872,821 | | Weiss | 10-10-1989 | |
| | 45 | 4,722,853 | | Baliwalla et al. | 02-02-1988 | |
| | 46 | 4,258,740 | | Kaartinen et al. | 03-31-1981 | |
| | 47 | 5,171,533 | | Fine et al. | 12-15-1992 | |
| | 48 | 5,160,702 | | Kopf-Sill et al., | 11-03-1992 | |
| | 49 | 3,713,062 | | Butler et al., | 01-23-1973 | |
| | 50 | 3,952,116 | | Trenkler et al. | 04-20-1976 | |
| | 51 | 5,590,052 | | Kopf-Sill et al. | 12-31-1996 | |
| | 52 | 5,413,009 | | Fragnito et al. | 05-09-1995 | |
| | 53 | 4,279,862 | | Bretaudiere et al., | 07-21-1981 | |
| | 54 | 6,302,134 | | Kellogg et al. | 10-16-2001 | |
| | 55 | 6,063,589 | | Kellogg et al. | 05-16-2000 | |
| | 56 | 6,399,361 | | Brotherston et al. | 06-04-2002 | |
| | 57 | 3,528,449 | | White et al. | 02-27-1968 | |
| | 58 | 4,612,959 | | Costello | 09-23-1986 | |
| | 59 | 5,336,181 | | Nakao et al. | 08-09-1994 | |
| | 60 | 5,431,303 | | Miskell | 07-11-1995 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|---|----|------------------------------------|---------------------|-------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known <i>76/684707</i> | | |
| | | | Application No. | 10/648,707 | |
| | | | Filing Date: | 10-14-03 | |
| | | | First Named Inventor | Kellogg et al., | |
| | | | Group Art Unit | | |
| | | | Examiner Name | | |
| Sheet | 3 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|------------------|-------------------------|---------------------|--------------------------------------|---|--|--|----------------|
| Examiner Initials* | Cite No. 1 | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | 61 | WO | 93/22053 | | Trustees of the University of PENN | 11-11-1993 | | |
| | 62 | WO | 93/22058 | | Trustees of the University of PENN | 11-11-93 | | |
| | 63 | EP | 417,305 | A1 | Idemitsu Petrochemical Co. Ltd. | 3-20-1991 | | |
| | 64 | EP | 616,218 | A1 | Hitachi, Ltd. | 9-21-1994 | | |
| | 65 | EP | 305,210 | | Biotrack, Inc. | 12-81993 | | |
| | 66 | EP | 322,657 | | Miles Inc. | 7/5/89 | | |
| | 67 | GER | 4,410,224 | | Gleich Anmelder | 9/28/95 | | |
| | 68 | EP | 647,367 | B1 | ABAXIS, Inc. | 12/10/97 | | |
| | 69 | WO | 95/33986 | | ABAXIS, Inc. | 12/14/95 | | |
| | 71 | WO | 97/08556 | | First Medical, Inc. | 03-06-1997 | | |
| | 72 | EP | 408 207 | | Illinois Tool Works Inc. | 06-22-1990 | | |
| | 73 | WO | 94/26414 | | Syntex Inc. | 11-14-1994 | | |
| | 74 | UK | 1 307 628 | | United Kingdom | 08-21-1970 | | |
| | 75 | FR | 1292407 | | France | 03-24-1961 | | |
| | 77 | WO | 97/21090 | | Gamera Bioscience | 06-12-1997 | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|---|------------------------------------|-----------------|---------------------|-------------|
| Substitute for form 1449/APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known <i>10/684707</i> | | | |
| | | Application No. | 40/648,707 | | |
| | | Filing Date: | 10-14-03 | | |
| | | First Named Inventor | Kellogg et al., | | |
| | | Group Art Unit | | | |
| Examiner Name | | | | | |
| Sheet | 4 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | | |
|--|---------------|---|-----------------|--|
| Examiner Initials* | Cite No. 1 | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² | |
| | 78 | Anderson, "Analytical Techniques for Cell Fractions" (1968), <i>Anal. Biochem.</i> , 28: 545-562 | | |
| | 79 | Aoki et al., "Electrochemical Response at Microarray Electrodes in Flowing Streams and Determination of Catecholamines", (1990), <i>Anal. Chem.</i> , 62: 2206-2210 | | |
| | 80 | Arquint et al., "Micromachined Analyzers on a Silicon Chip", (September 1994), <i>Clinical Chemistry</i> , Vol. 40, No. 9, pp. 1805-1809. | | |
| | 81 | Ballantine et al., "Surface Acoustic Wave", (June 1989), <i>Anal. Chem.</i> , 61/11: pp. 704-715. | | |
| | 82 | Bertrand et al., "A One-Step Determination of Serum 5'-nucleotidase using a centrifugal Analyzer", (1982), <i>Clinica Chimica Acta</i> , 119: 275-284. | | |
| | 83 | Blackburn et al., "Electrochemiluminescence Detection for Development of Immunoassays and DNA Probe Assays for Clinical Diagnostics", (1991), <i>Clin. Chem.</i> , 37/9: 1534-1539. | | |
| | 84 | Bor Fuh et al., "Isolation of Human Blood Cells, Platelets, and Plasma Proteins by Centrifugal SPLIT Fractionation", (1995), <i>Biotechnol. Prog.</i> , 11: 14-20. | | |
| | 85 | Burtis et al., "Optimization and Analytical Application of the Technique of Dynamic Introduction of Liquids into Centrifugal Analyzers", (1974), <i>Clin. Chem.</i> , 20: 932-941. | | |
| | 86 | Burtis et al., "Development of a Multipurpose Optical System for Use with a Centrifugal Fast Analyzer", (1975), <i>Clin. Chem.</i> , 21/9: 1225-1233. | | |
| | 87 | Cho et al., "Development of a Multichannel Electrochemical Centrifugal Analyzer" (1982), <i>Clin. Chem.</i> , 28/9: 1961-1965. | | |
| | 88 | Collison et al., "Chemical Sensors for Bedside Monitoring of Critically Ill Patients" (April 1990), <i>Anal. Chem.</i> , 62/7: pp. 425-437. | | |
| | 89 | Columbus et al., "Architextured" Fluid Management of Biological Liquids", (1987), <i>Clin. Chem.</i> , 33/9: 1531-1537. | | |
| | 90 | Dessy, "Waveguides as Chemical Sensors", (October 1989), <i>Anal. Chem.</i> , 61/19: 1079-1094. | | |
| | 91 | Ekins et al., "Multianalyte Microspot Immunoassay. The microanalytical 'compact disk' of the future", (1992), <i>Ann. Biol. Clin.</i> , 50: 337-353. | | |
| Examiner Signature | | | Date Considered | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|---|----|---|--------------------------------------|-----------------|
| Substitute for form 1449/APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known <i>2/16/84 707</i> | |
| | | | | Application No. | 10/648,707 |
| | | | | Filing Date: | 10-14-03 |
| | | | | First Named Inventor | Kellogg et al., |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 5 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | | |
|--|-----------------------|---|----------------|-----------------|
| Examiner Initials* | Cite No. ¹ | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² | |
| | 92 | Esashi et al., " <u>Anodic Bonding for Integrated Capacitive Sensors</u> " (July 1992), Proc. Micro. Electro Mechanical Systems, 11: 43-48. | | |
| | 93 | Foucault, " <u>Countercurrent Chromatography</u> " (1991), Anal. Chem., 63: | | |
| | 94 | Fritsche et al., " <u>Enzymatic Endpoint Analysis of Glucose with the Hexokinase Method and the Union Carbide Fast Centrifugal Analyzer</u> ", (1975), Clin Biochem., 8: 240-246. | | |
| | 95 | Glass et al., " <u>Effect of Numerical aperture on signal level in cylindrical waveguide evanescent fluorosensors</u> " (June 1987), Appl. Optics, 26/11: 2181-2187 | | |
| | 96 | Haab et al., " <u>Single Molecule Fluorescence Burst Detection of DNA Fragments Separated by Capillary Electrophoresis</u> " Anal. Chem., 1995, 67, 3253-3260. | | |
| | 97 | Hadjioannou et al., " <u>Automated Enzymic Determination of Ethanol in Blood, Serum, and Urine with a Miniature Centrifugal Analyzer</u> ", (1976), Clin. Chem. 22/6:802-805. | | |
| | 98 | Heineman, " <u>Biosensors Based on Polymer Networks Formed by Gamma Irradiation Crosslinking</u> ", (1993), App. Biochem. Biotech., 41: 87-97. | | |
| | 99 | Ikada, "Surface Modification of Polymers for Medical Applications", (1994), Biomaterials, 15/10: 725-736. | | |
| | 100 | Lamture et al., " <u>Direct Detection of Nucleic Acid Hybridization on the Surface of a Charge Coupled Device</u> ", (1994), Nucleic Acids Res., 22/11: 2121-2125. | | |
| | 101 | Lee et al., " <u>Automated System for Fractionation of Blood Samples</u> " (1978), Clin. Chem., 24/8: 1361-1365. | | |
| | 102 | Linliu et al., " <u>Development of a Centrifuge Ball Viscometer for Polymer Melts</u> ", (1994), Rev. Sci. Instrum., 65/12: 3823-3828. | | |
| | 103 | Nakagawa et al., "A Micro Chemical Analyzing System Integrated on a Silicon Wafer", Proc. IEEE Workshop of Micro Electro Mechanical Systems, pp.89. | | |
| | 104 | Poole et al., " <u>Instrumental Thin-Layer Chromatography</u> ", (January 1994), Anal. Chem., 66/1: 27A-37A. | | |
| Examiner Signature | | | | Date Considered |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231

| | | | | | |
|--|----------|----|----------|------------------------------------|------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known 10/684707 | |
| | | | | Application No. | 10/648,707 |
| | | | | Filing Date: | 10-14-03 |
| | | | | First Named Inventor | Kellogg et al., |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 6 | of | 6 | Attorney Docket No. | 95,1408-TTT |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | | |
|--|-----------------------|---|----------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² | |
| | 105 | Reijenga et al., "Effect of Electroosmosis on Detection in Isotachopheresis", (1983), J. Chromatography, 260: 241-254. | | |
| | 106 | Renoe et al., " <u>A Versatile Minidisc Module for a Centrifugal Analyzer</u> " (1974), Clin. Chem., 20/8:955-960. | | |
| | 107 | Rosenzweig et al., " <u>Laser-Based Particle-Counting Microimmunoassay for the Analysis of Single Human Erythrocytes</u> " (1994), Anal. Chem., 66: 1771-1776 | | |
| | 108 | Schembri et al., " <u>Portable Simultaneous Multiple Analyte Whole-Blood Analyzer for Point-of-Care Testing</u> " (1992), Clin. Chem., 38/9: 1665-1670 | | |
| | 109 | Shoji & Esashi, " <u>Micro flow cell for blood gas analysis realizing very small sample volume</u> " (1992), Sensors and Actuators, B8: 205-208. | | |
| | 110 | Wilding et al., " <u>Manipulation and Flow of Biological Fluids in Straight Channels Micromachined in Silicon</u> " (1994), Automat. Analyt. Tech., 40: 43-47. | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231